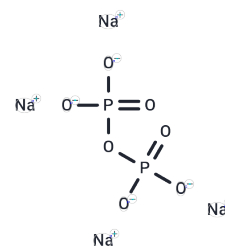


Tetrasodium Pyrophosphate

Chemical Properties

CAS No. :	7722-88-5
Formula:	Na ₄ O ₇ P ₂
Molecular Weight:	265.90
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Tetrasodium pyrophosphate has inhibitory activity against CA1 and CA2 and is commonly used as a chelating agent, emulsifier and buffer. It is widely used in biochemical experiments and drug synthesis research.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: 40.00 mg/mL (150.43 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7608 mL	18.8041 mL	37.6081 mL
5 mM	0.7522 mL	3.7608 mL	7.5216 mL
10 mM	0.3761 mL	1.8804 mL	3.7608 mL
50 mM	0.0752 mL	0.3761 mL	0.7522 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Bergmeyer H U, et al. Biochemical reagents[M]//Methods of Enzymatic Analysis. Academic Press, 1965: 967-1037.

Abdelazim, M. H., et al., (2022). The effect of intra-nasal tetra sodium pyrophosphate on decreasing elevated nasal calcium and improving olfactory function post COVID-19: a randomized controlled trial. Allergy, asthma, and clinical immunology : official journal of the Canadian Society of Allergy and Clinical Immunology, 18(1), 67.

Pedrazzi, V., et al., (2015). Clinical evaluation of residual tetrasodium pyrophosphate released from two different anticalculus flosses. Brazilian dental journal, 26(2), 116-120.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481